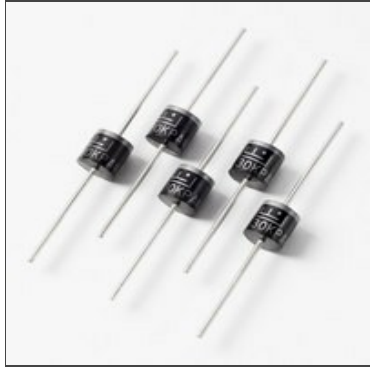


30KPA72C - 30KPA Series



Series: 30KPA

TVS Diodes 30KPA Datasheet

The 30KPA Series is designed specifically to protect sensitive electronic equipment from voltage transients induced by lightning and other transient voltage events.

Features:

- Halogen-Free and RoHS compliant
- Typical maximum temperature coefficient $\Delta V_{BR} = 0.1\% - V_{BR}@25^{\circ}C$
- Glass passivated chip junction in P600 package
- 30000W peak pulse capability at 10—1000 μ s waveform, repetition rate (duty cycles):0.01%
- Fast response time: typically less than 1.0ps from 0 Volts to BV min
- Excellent clamping capability
- Low incremental surge resistance
- Typical IR less than 2 μ A above 73V
- High temperature soldering guaranteed: 265 $^{\circ}C$./10 seconds/ 0.375" (9.5mm) lead length, 51bs., (2.3kg) tension
- Plastic package has Underwriters Laboratory Flammability classification 94V-O
- Matte Tin Lead-free plated

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Electrical Characteristics	Technical Resources	Environmental Info
Property (Mouseover for details)	Value	
Reverse Standoff Voltage (V_R) (V_{SO})	72	
Watts (W)	30000	
Peak Pulse Current (Ipp) 10x1000 (A)	265.8	
Breakdown Voltage (MIN $V_{BR}@I_T$) (V)	76.168	
Breakdown Voltage ($V_{BR}@I_T$) (V)	93.095	
Ir @Vso(μ A)	2	
On-State Current (I_T) (mA)	5	
Max Temperature (deg C)	150	
Max Clamp Voltage (Vc) (V)	119.7	

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